

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD0404	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0404 Boggs	U	4.10						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04		0.04	0.98%				
Encroachments		0.01	0.04	0.97%	0.02			
Animal Control	0.13	1.06	4.37	106.50%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.18			
<i>LMA Totals:</i>	0.17	1.07	4.45	108.45%	0.20	0.00	0.00	0.00
Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
RD0404	M *	2.35						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04		0.04	1.70%				
Encroachments		0.01	0.04	1.70%	0.02			
Animal Control	0.02	0.01	0.06	2.55%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.12			
<i>Unit Totals:</i>	0.06	0.02	0.14	5.96% *	0.14	0.00	0.00	0.00
Unit No. 02 French Camp Slough RB	Overall Unit Rating	Total Unit Miles						
RD0404	U	1.75						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Animal Control	0.11	1.05	4.31	245.62%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.06			
<i>Unit Totals:</i>	0.11	1.05	4.31	245.62%	0.06	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2019 Levee Inspection Results

Reclamation District No. 0404 Boggs

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	2.35
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M *	
Date of Inspection	4/23/2019 - 4/23/2019		9/24/2019 - 9/24/2019	
DWR Inspector	Alberto De Leon		Alberto De Leon	
Accompanied By	Richard Toy KSN		Richard Toy KSN	
	Richard Willoughby DWR			

* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0404_01_s_2013_24				
Comment Code					
Inspector Comment					
The LMA has a copy of the O & M Manual on file.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	25
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0404_01_s_2013_25				
Comment Code					
Inspector Comment					
LMA has adequate flood fight supplies on hand.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	26
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0404_01_s_2013_26				
Comment Code					
Inspector Comment					
LMA staff have had flood fight training within the last two years.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.01	Rating **	A	Issue No.	34
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.941948 °	37.929199 °
				-121.345135 °	-121.327273 °
DWR ID	DWR_RD0404_01_f_2019_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation on landside slope is well maintained.					

Photo 1 of 1 : FA_2019_RD0404_305_34_20191001_00055.jpg



Typical view of well maintained vegetation on landside slope. Fall 2019

LM Start	0.01	Rating **	A	Issue No.	32
LM End	1.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.941948 °	37.929198 °
				-121.345135 °	-121.327273 °
DWR ID	DWR_RD0404_01_f_2019_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation on waterside slope is well maintained.					

Photo 1 of 1 : FA_2019_RD0404_305_32_20191001_00056.jpg



Typical view of well maintained vegetation on waterside slope. Fall 2019

LM Start	0.40	Rating **	C	Issue No.	6	
LM End	0.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.939534 °		37.939534 °
				-121.339562 °		-121.339562 °
DWR ID	RD0404U01RM41.05					
Comment Code						
Inspector Comment						
Site ID: RD0404U01RM41.05						
08/13/2019: This erosion site has been repaired.						
09/13/2017: The erosion is located between two protected levee sections.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.40	Rating **	C	Issue No.	11	
LM End	0.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.939190 °	37.939190 °	
				-121.338280 °	-121.338280 °	
DWR ID	RD0404U01RM41.11					
Comment Code						
Inspector Comment						
Site ID: RD0404U01RM41.11						
08/13/2019: No new erosion was found at the repaired site.						
09/13/2017: The erosion site has been repaired. No new erosion was found at the repaired site.						
07/25/2016: No significant change observed.						
06/24/2015: No significant change observed.						
06/19/2014: No significant change observed.						
08/13/2013: No significant change at this site.						
08/7/2012: The erosion is next to a repaired site and approximately 400 feet downstream of a river bend. There are broken concretes at the upper levee slope, but not visible at the levee toe or lower slope. Likely the protection concrete blocks have been washed away.						

No Photos

LM Start	0.48	Rating **	M	Issue No.	101	
LM End	0.48	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.939640 °	37.939640 °	
				-121.338175 °	-121.338175 °	
DWR ID	22968					
Comment Code						
Inspector Comment						
DS_ID:22968						
FS_ID:53346						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 10/2/2018 Crossing shows no sign of pipe or levee integrity issues; down grading to Non-Urgent (D. Sanoski - DWR UCIP).11/29/2016 Flap gates still missing. Pipe open on WS. Could not locate on LS. (K. Fazel - UCIP)03/26/2013 Flap gate missing from WS toe. (P. Amatya - DWR)						
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, approximately 18 feet below the crown. Pipe may not fully penetrate the levee as it does not daylight on the landside (LS). This drainage pipe was field discovered with no mention of it in any reference.						
FS Date: 10/2/2018 12:56:00 PM						

Photo 1 of 3 : UCIP_FA_2019_53346_20082.jpg



WS- two CM pipes with damaged flap gates

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.48	Rating **	M	Issue No.	101 (cont)	
LM End	0.48	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.939640 °	37.939640 °	
				-121.338175 °	-121.338175 °	
DWR ID	22968					
Comment Code						
Inspector Comment						
DS_ID:22968 FS_ID:53346 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Crossing shows no sign of pipe or levee integrity issues; down grading to Non-Urgent (D. Sanoski - DWR UCIP).11/29/2016 Flap gates still missing. Pipe open on WS. Could not locate on LS. (K. Fazel - UCIP)03/26/2013 Flap gate missing from WS toe. (P. Amatya - DWR) FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, approximately 18 feet below the crown. Pipe may not fully penetrate the levee as it does not daylight on the landside (LS). This drainage pipe was field discovered with no mention of it in any reference. FS Date: 10/2/2018 12:56:00 PM						

LM Start	0.48	Rating **	M	Issue No.	101 (cont)
LM End	0.48	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53346_20081.jpg



WS- left CM pipe with missing flap gate

Photo 3 of 3 : UCIP_FA_2019_53346_20080.jpg



WS- closer look at left CM pipe with missing flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.48	Rating **	M	Issue No.	102	
LM End	0.48	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.939640 °	37.939640 °	
				-121.338175 °	-121.338175 °	
DWR ID	22969					
Comment Code						
Inspector Comment						
DS_ID:22969 FS_ID:53347 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Crossing shows no sign of pipe or levee integrity issues; down grading to Non-Urgent (D. Sanoski - DWR UCIP).11/29/2016 Flap gate appears to be either missing or broken. Pipes submerged on WS with concrete block on one pipe during inspection. No pipes found on LS. (K. Fazel - UCIP)03/29/2013 Pipe has broken flap gate. (P. Amatya - DWR) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, approximately 18 feet below the crown. Pipe may not fully penetrate the levee as it does not daylight on the landside (LS). This drainage pipe was field discovered with no mention of it in any reference. FS Date: 10/2/2018 1:04:00 PM						

LM Start	0.48	Rating **	M	Issue No.	102 (cont)
LM End	0.48	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53347_20086.jpg



WS- two CM pipes with damaged flap gates

Photo 2 of 3 : UCIP_FA_2019_53347_20085.jpg



WS- right CM pipe with damaged flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.48	Rating **	M	Issue No.	102 (cont)	
LM End	0.48	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.939640 °	37.939640 °	
				-121.338175 °	-121.338175 °	
DWR ID	22969					
Comment Code						
Inspector Comment						
DS_ID:22969 FS_ID:53347 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Crossing shows no sign of pipe or levee integrity issues; down grading to Non-Urgent (D. Sanoski - DWR UCIP).11/29/2016 Flap gate appears to be either missing or broken. Pipes submerged on WS with concrete block on one pipe during inspection. No pipes found on LS. (K. Fazel - UCIP)03/29/2013 Pipe has broken flap gate. (P. Amatya - DWR) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, approximately 18 feet below the crown. Pipe may not fully penetrate the levee as it does not daylight on the landside (LS). This drainage pipe was field discovered with no mention of it in any reference. FS Date: 10/2/2018 1:04:00 PM						

Photo 3 of 3 : UCIP_FA_2019_53347_20084.jpg



WS- closer view of right CM pipe with damaged flap gate

LM Start	0.65	Rating **	M	Issue No.	103
LM End	0.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID	17952				
Comment Code					
Inspector Comment					
DS_ID:17952 FS_ID:51168 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel intake structure on landside of the levee. FIELD_STRUCT_DESC: 1 of 3: 30-inch corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. Steel intake structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/26/2013					

Photo 1 of 3 : UCIP_FA_2019_51168_20041.jpg



LS- intake structure

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.65	Rating **	M	Issue No.	103 (cont)
LM End	0.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID	17952				
Comment Code					
Inspector Comment					
DS_ID:17952 FS_ID:51168 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel intake structure on landside of the levee. FIELD_STRUCT_DESC: 1 of 3: 30-inch corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. Steel intake structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/26/2013					

Photo 2 of 3 : UCIP_FA_2019_51168_20040.jpg



LS- overview of land side of the levee.

LM Start	0.65	Rating **	M	Issue No.	103 (cont)
LM End	0.65	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_51168_20042.jpg



WS- CM pipes with damaged flap gates

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.66	Rating **	M	Issue No.	104
LM End	0.66	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID	18811				
Comment Code					
Inspector Comment					
DS_ID:18811 FS_ID:53348 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/2/2018 The wide levee crown shows no sign of integrity issues; downgrading to Non-Urgent (D. Sanoski - DWR UCIP).12/13/2016 Since previous inspector and 2006 Levee Log cite damage to flap gate, I have upgraded this crossing from Non-Urgent to Urgent. Flap gates need to be in good working condition. (K. Fazel - UCIP)03/26/2013 Steel intake structure on LS. (P. Amatya - DWR)12/26/2006 Landward end filled with dirt. Middle flap gate missing and right flap gate broken as of 1/24/07. (DWR Levee Log) FIELD_STRUCT_DESC: 2 of 3: 30-inch corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. Steel intake structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 10/2/2018 12:51:00 PM					

LM Start	0.66	Rating **	M	Issue No.	104 (cont)
LM End	0.66	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53348_20047.jpg



LS- steel intake structure

Photo 2 of 3 : UCIP_FA_2019_53348_20046.jpg



WS- CM pipes and damaged flap gates

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.66	Rating **	M	Issue No.	104 (cont)
LM End	0.66	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID	18811				

Comment Code

Inspector Comment

DS_ID:18811
FS_ID:53348
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/2/2018 The wide levee crown shows no sign of integrity issues; downgrading to Non-Urgent (D. Sanoski - DWR UCIP). 12/13/2016 Since previous inspector and 2006 Levee Log cite damage to flap gate, I have upgraded this crossing from Non-Urgent to Urgent. Flap gates need to be in good working condition. (K. Fazel - UCIP) 03/26/2013 Steel intake structure on LS. (P. Amatya - DWR) 12/26/2006 Landward end filled with dirt. Middle flap gate missing and right flap gate broken as of 1/24/07. (DWR Levee Log) FIELD_STRUCT_DESC: 2 of 3: 30-inch corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. Steel intake structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 2006].
FS Date: 10/2/2018 12:51:00 PM

Photo 3 of 3 : UCIP_FA_2019_53348_20048.jpg



LS- overview of landside of the levee

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.66	Rating **	M	Issue No.	105
LM End	0.66	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID	18810				
Comment Code					
Inspector Comment					
DS_ID:18810 FS_ID:53349 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/2/2018 The wide levee crown shows no sign of integrity issues; downgrading to Non-Urgent (D. Sanoski - DWR UCIP).12/13/2016 Since previous inspector and 2006 Levee Log cite damage to flap gate, I have upgraded this crossing from Non-Urgent to Urgent. Flap gates need to be in good working condition. (K. Fazel - UCIP)03/26/2013 Steel intake structure on LS. (P. Amatya - DWR)12/26/2006 Landward end filled with dirt. Middle flap gate missing and right flap gate broken as of 1/24/07. (DWR Levee Log) FIELD_STRUCT_DESC: 3 of 3: 30-inch corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. Steel intake structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 10/2/2018 12:33:00 PM					

LM Start	0.66	Rating **	M	Issue No.	105 (cont)
LM End	0.66	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53349_20054.jpg



LS- steel intake structure

Photo 2 of 3 : UCIP_FA_2019_53349_20053.jpg



WS- CM pipes with damaged flap gates

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.66	Rating **	M	Issue No.	105 (cont)
LM End	0.66	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID	18810				
Comment Code					
Inspector Comment					
DS_ID:18810 FS_ID:53349 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/2/2018 The wide levee crown shows no sign of integrity issues; downgrading to Non-Urgent (D. Sanoski - DWR UCIP).12/13/2016 Since previous inspector and 2006 Levee Log cite damage to flap gate, I have upgraded this crossing from Non-Urgent to Urgent. Flap gates need to be in good working condition. (K. Fazel - UCIP)03/26/2013 Steel intake structure on LS. (P. Amatya - DWR)12/26/2006 Landward end filled with dirt. Middle flap gate missing and right flap gate broken as of 1/24/07. (DWR Levee Log) FIELD_STRUCT_DESC: 3 of 3: 30-inch corrugated metal gravity drainage pipe through the levee, 22 feet below the crown. Flap gate on the waterside (WS) end. Steel intake structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 10/2/2018 12:33:00 PM					

Photo 3 of 3 : UCIP_FA_2019_53349_20052.jpg



LS- overview of landside of the levee.

LM Start	0.75	Rating **	M	Issue No.	7
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.937758 °	37.937758 °
				-121.334149 °	-121.334149 °
DWR ID	DWR_RD0404_01_s_2012_7				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.75	Rating **	A/W	Issue No.	106	
LM End	0.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.937657 °	37.937657 °	
				-121.334158 °	-121.334158 °	
DWR ID	17945					
Comment Code						
Inspector Comment						
DS_ID:17945 FS_ID:53532 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/22/2017 Received updated photo from DWR levee inspector D. Torres showing gate has been cleared of sediment to allow operation of the gate on the WS. Crossing has been downgraded from Urgent to No Action Needed based on the 2016 photos and the most current photo. Recommend coordinating with City of Stockton to determine as-builts, CVFPB permit, and date of last internal integrity inspection completed for this crossing. (DWR UCIP - O. Magana) 11/29/2016 Flap gate still buried with sediment on WS. Requires clearing. (K. Fazel - UCIP)03/26/2013 Partially buried flap gate (P. Amatya - DWR) FIELD_STRUCT_DESC: 42-inch corrugated metal drainage discharge pipe, 18 feet below the crown. Flap gate, concrete headwall, and spillway on the waterside (WS). Pump house on the landside (LS). Abandoned concrete headwall, power pole, and two wooden piles found on the LS. This drainage pipe likely belongs to the City of Stockton. [Additional Reference(s): DWR Levee Log, 2006. USACE San Joaquin O&M Manual 1, March 1963, (HLM 0.78)]. FS Date: 11/22/2017						

LM Start	0.75	Rating **	A/W	Issue No.	106 (cont)
LM End	0.75	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_53532_77527.jpg



WS view: WS gate cleared allowing proper operation of gate.

Photo 2 of 3 : UCIP_FA_2019_53532_19962.jpg



WS- drainage outlet structure and CM pipe with flapgate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.75	Rating **	A/W	Issue No.	106 (cont)
LM End	0.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.937657 °	37.937657 °
				-121.334158 °	-121.334158 °
DWR ID	17945				
Comment Code					
Inspector Comment					
DS_ID:17945 FS_ID:53532 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/22/2017 Received updated photo from DWR levee inspector D. Torres showing gate has been cleared of sediment to allow operation of the gate on the WS. Crossing has been downgraded from Urgent to No Action Needed based on the 2016 photos and the most current photo. Recommend coordinating with City of Stockton to determine as-builts, CVFPB permit, and date of last internal integrity inspection completed for this crossing. (DWR UCIP - O. Magana) 11/29/2016 Flap gate still buried with sediment on WS. Requires clearing. (K. Fazel - UCIP)03/26/2013 Partially buried flap gate (P. Amatya - DWR) FIELD_STRUCT_DESC: 42-inch corrugated metal drainage discharge pipe, 18 feet below the crown. Flap gate, concrete headwall, and spillway on the waterside (WS). Pump house on the landside (LS). Abandoned concrete headwall, power pole, and two wooden piles found on the LS. This drainage pipe likely belongs to the City of Stockton. [Additional Reference(s): DWR Levee Log, 2006. USACE San Joaquin O&M Manual 1, March 1963, (HLM 0.78)]. FS Date: 11/22/2017					

Photo 3 of 3 : UCIP_FA_2019_53532_19961.jpg



WS- Debris and vegetation blocking CM drainage pipe

LM Start	0.78	Rating **	C	Issue No.	8
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.937395 °	37.937395 °
				-121.333883 °	-121.333883 °
DWR ID	DWR_RD0404_01_s_2013_8				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees are blocking view of the slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.79	Rating **	M	Issue No.	107
LM End	0.79	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.937212°	37.937212°
				-121.333762°	-121.333762°
DWR ID	17946				
Comment Code					
Inspector Comment					
DS_ID:17946 FS_ID:46810 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned; if so should be done so properly. FIELD_STRUCT_DESC: Telephone conduit of an unknown size or material through both levees and under the San Joaquin River, at an unknown depth. This buried telephone cable is no longer operational. [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 8/4/2015					

Photo 1 of 3 : UCIP_FA_2019_46810_74753.jpg



WS view looking south: conduits penetrating levee slope now disconnected with those attached to bridge

LM Start	0.79	Rating **	M	Issue No.	107 (cont)
LM End	0.79	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_46810_74754.jpg



WS view looking west: conduits thru levee and attached to bridge

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.79	Rating **	M	Issue No.	107 (cont)	
LM End	0.79	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.937212°	37.937212°	
				-121.333762°	-121.333762°	
DWR ID	17946					
Comment Code						
Inspector Comment						
DS_ID:17946 FS_ID:46810 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned; if so should be done so properly. FIELD_STRUCT_DESC: Telephone conduit of an unknown size or material through both levees and under the San Joaquin River, at an unknown depth. This buried telephone cable is no longer operational. [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 8/4/2015						

Photo 3 of 3 : UCIP_FA_2019_46810_74755.jpg



WS view at crossing looking north

LM Start	0.89	Rating **	M	Issue No.	17
LM End	0.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.936159°	37.936159°
				-121.332711°	-121.332711°
DWR ID	DWR_RD0404_01_f_2012_17				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.95	Rating **	M	Issue No.	2
LM End	0.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.935990 °	37.935990 °
				-121.331600 °	-121.331600 °
DWR ID	DWR_RD0404_01_s_2012_2				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking the visibility.					

No Photos

LM Start	1.09	Rating **	M	Issue No.	108	
LM End	1.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.935195°	37.935195°	
				-121.329398°	-121.329398°	
DWR ID	25128					
Comment Code						
Inspector Comment						
DS_ID:25128 FS_ID:46801 EP_NO: 1164 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Conversation with WWTP engineer Ali Gharegozloo suggested this pipe has been welded shut. If so, mode of abandonment needs verification. FIELD_STRUCT_DESC: 60-inch lock joint reinforced concrete sewage effluent pipe under the levee, 27 feet below the crown. Reinforced concrete apron and cutoff walls. Steel sheet piling apron installed with the pipe on the waterside (WS) slope. Headwall, stairs, and pump with shutoff valve visible on the WS slope. Apparent shutoff valves 30 feet off the landside (LS) toe in alignment with the pipe. (Plans for the construction of a 60-inch lock joint reinforced concrete sewage effluent pipe under the easterly levee of the San Joaquin River authorized under Permit No. 1164, 1947 - City of Stockton). FS Date: 7/9/2015						

Photo 1 of 3 : UCIP_FA_2019_46801_74745.jpg



LS view: apparent shut off valves on WWTP property in alignment with 60-inch pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.09	Rating **	M	Issue No.	108 (cont)	
LM End	1.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.935195°	37.935195°	
				-121.329398°	-121.329398°	
DWR ID	25128					
Comment Code						
Inspector Comment						
DS_ID:25128 FS_ID:46801 EP_NO: 1164 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Conversation with WWTP engineer Ali Gharegozloo suggested this pipe has been welded shut. If so, mode of abandonment needs verification. FIELD_STRUCT_DESC: 60-inch lock joint reinforced concrete sewage effluent pipe under the levee, 27 feet below the crown. Reinforced concrete apron and cutoff walls. Steel sheet piling apron installed with the pipe on the waterside (WS) slope. Headwall, stairs, and pump with shutoff valve visible on the WS slope. Apparent shutoff valves 30 feet off the landside (LS) toe in alignment with the pipe. (Plans for the construction of a 60-inch lock joint reinforced concrete sewage effluent pipe under the easterly levee of the San Joaquin River authorized under Permit No. 1164, 1947 - City of Stockton). FS Date: 7/9/2015						

LM Start	1.09	Rating **	M	Issue No.	108 (cont)
LM End	1.09	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_46801_74747.jpg



WS view: pump with shutoff valves, headwall, stairs visible. Concrete debris along WS slope.

Photo 3 of 3 : UCIP_FA_2019_46801_74748.jpg



WS view: closeup of pump. CMP riser for USGS gage behind pump.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.35	Rating **	M	Issue No.	100
LM End	1.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.931945°	37.931945°
				-121.327150°	-121.327150°
DWR ID	DWR_RD0404_01_s_2012_100				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.44	Rating **	C	Issue No.	35
LM End	1.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.930450 °	37.930450 °
				-121.327450 °	-121.327450 °
DWR ID	RD0404U01RM42.02				
Comment Code					
Inspector Comment					
Site ID: RD0404U01RM42.02					
08/13/2019: This erosion site has been repaired.					
09/13/2017: No significant change observed.					
07/25/2016: No significant change observed.					
06/24/2015: No significant change observed.					
06/19/2014: A series of scarp erosions have been found on the lower levee slope and at the levee toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.55	Rating **	M	Issue No.	109	
LM End	1.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.929046°	37.929046°	
				-121.327248°	-121.327248°	
DWR ID	18708					
Comment Code						
Inspector Comment						
DS_ID:18708 FS_ID:50763 EP_NO: 4175 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/17/2016 FPIIB Inspector Richard Willoughby noted 3-4 inch depression over pipes on crown, an indication of possible pipe collapse. (K. Fazel - UCIP) FIELD_STRUCT_DESC: 1 of 2: 12-inch steel drainage discharge pipe through the levee, 5 feet below the crown. Siphon breaker on the waterside (WS) shoulder. Power pole, electrical control panel, and pump about 200 feet off the landside (LS) toe. (Plans for installation of a 10-inch, 12-gauge welded steel discharge pipe over the levee authorized under Permit No. 4175, 1963 - City of Stockton). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 11/17/2016						

LM Start	1.55	Rating **	M	Issue No.	109 (cont)
LM End	1.55	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_50763_20104.jpg



LS- overview of pipe and pump (far right)

Photo 2 of 3 : UCIP_FA_2019_50763_20103.jpg



WS- steel pipes and siphon breakers in steel pipe risers.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.55	Rating **	M	Issue No.	109 (cont)	
LM End	1.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.929046°	37.929046°	
				-121.327248°	-121.327248°	
DWR ID	18708					
Comment Code						
Inspector Comment						
DS_ID:18708 FS_ID:50763 EP_NO: 4175 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/17/2016 FPIIB Inspector Richard Willoughby noted 3-4 inch depression over pipes on crown, an indication of possible pipe collapse. (K. Fazel - UCIP) FIELD_STRUCT_DESC: 1 of 2: 12-inch steel drainage discharge pipe through the levee, 5 feet below the crown. Siphon breaker on the waterside (WS) shoulder. Power pole, electrical control panel, and pump about 200 feet off the landside (LS) toe. (Plans for installation of a 10-inch, 12-gauge welded steel discharge pipe over the levee authorized under Permit No. 4175, 1963 - City of Stockton). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 11/17/2016						

Photo 3 of 3 : UCIP_FA_2019_50763_20102.jpg



LS- pipes and pumps (center)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.55	Rating **	M	Issue No.	110
LM End	1.55	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.929046°	37.929046°	
			-121.327248°	-121.327248°	
DWR ID	17955				

Comment Code

Inspector Comment

DS_ID:17955
 FS_ID:50764
 EP_NO: 4175
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 11/17/2016 FPIIB Inspector Richard Willoughby noted 3-4 inch dip in crown over pipes, an indication of possible pipe collapse. (K. Fazel - UCIP)
 FIELD_STRUCT_DESC: 2 of 2: 12-inch steel drainage discharge pipe through the levee, 5 feet below the crown. Siphon breaker on the waterside (WS) shoulder. Power pole, electrical control panel, and pump about 200 feet off the landside (LS) toe. (Plans for installation of a 10-inch, 12-gauge welded steel discharge pipe over the levee authorized under Permit No. 4175, 1963 - City of Stockton). [Additional Reference(s): DWR Levee Log, 2006, 10-inch pipe referenced].
 FS Date: 11/17/2016

LM Start	1.55	Rating **	M	Issue No.	110 (cont)
LM End	1.55	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_50764_19994.jpg



WS- steel pipes and siphon breakers in steel pipe risers.

Photo 2 of 3 : UCIP_FA_2019_50764_19996.jpg



LS- pipe and pump on far left.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.55	Rating **	M	Issue No.	110 (cont)	
LM End	1.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.929046°	37.929046°	
				-121.327248°	-121.327248°	
DWR ID	17955					
Comment Code						
Inspector Comment						
DS_ID:17955 FS_ID:50764 EP_NO: 4175 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/17/2016 FPIIB Inspector Richard Willoughby noted 3-4 inch dip in crown over pipes, an indication of possible pipe collapse. (K. Fazel - UCIP) FIELD_STRUCT_DESC: 2 of 2: 12-inch steel drainage discharge pipe through the levee, 5 feet below the crown. Siphon breaker on the waterside (WS) shoulder. Power pole, electrical control panel, and pump about 200 feet off the landside (LS) toe. (Plans for installation of a 10-inch, 12-gauge welded steel discharge pipe over the levee authorized under Permit No. 4175, 1963 - City of Stockton). [Additional Reference(s): DWR Levee Log, 2006, 10-inch pipe referenced]. FS Date: 11/17/2016						

Photo 3 of 3 : UCIP_FA_2019_50764_19995.jpg



LS- pipes and pumps on center.

LM Start	1.57	Rating **	M	Issue No.	111	
LM End	1.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.928718 °		37.928718 °
				-121.327206 °		-121.327206 °
DWR ID	17956					
Comment Code						
Inspector Comment						
DS_ID:17956 FS_ID:12386 EP_NO: 15562 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: According to Bob Winter of KSN/LMA representative. Fiber optics cable goes through levee. No sign/indicators found. And photos not taken. FIELD_STRUCT_DESC: 4-inch steel fiber optics conduit under both levees and the channel, 34 feet below the crown. (Plans to install fiber optics communications cable through both levees and under the San Joaquin River authorized under Permit No. 15562, 1990 - US Sprint Communications). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/26/2013						

Photo 1 of 1 : UCIP_FA_2019_12386_20062.jpg



Aerial Photo @HLM=1.5791: No sign posts/markers found.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.57	Rating **	C	Issue No.	36
LM End	1.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.928717 °	37.928717 °
				-121.327132 °	-121.327132 °
DWR ID	DWR_RD0404_01_s_2016_36				
Comment Code					
GA : Garbage					
Inspector Comment					
Debris on landside slope has been removed.					

No Photos

LM Start	1.64	Rating **	M	Issue No.	112
LM End	1.64	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.928090 °	37.928090 °
				-121.326215 °	-121.326215 °
DWR ID	18812				
Comment Code					
Inspector Comment					
DS_ID:18812 FS_ID:40487 EP_NO: 10897 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned crossing. WS pipe capped with steel pipe and LS pipe cut. FIELD_STRUCT_DESC: *ABANDONED* 14-inch irrigation discharge pipe of an unknown material through the levee, 3 feet below the crown. Siphon breaker on the waterside (WS). (Plans to install a 20-horsepower irrigation pump on an existing structure and a 14-inch discharge pipe through the levee authorized under Permit No. 10897, 1975 - Alfred Volpi. 14-inch pipe replaces existing 12-inch pipe). [Additional Reference(s): DWR Levee Log, 2006. USACE San Joaquin O&M Manual 1, March 1963, (HLM 1.63), 12-inch pipe referenced, 5.5 feet below the crown]. FS Date: 3/26/2013					

Photo 1 of 3 : UCIP_FA_2019_40487_20064.jpg



WS- steel pipe capped with steel plate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.64	Rating **	M	Issue No.	112 (cont)	
LM End	1.64	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.928090 °	37.928090 °	
				-121.326215 °	-121.326215 °	
DWR ID	18812					
Comment Code						
Inspector Comment						
DS_ID:18812 FS_ID:40487 EP_NO: 10897 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned crossing. WS pipe capped with steel pipe and LS pipe cut. FIELD_STRUCT_DESC: *ABANDONED* 14-inch irrigation discharge pipe of an unknown material through the levee, 3 feet below the crown. Siphon breaker on the waterside (WS). (Plans to install a 20-horsepower irrigation pump on an existing structure and a 14-inch discharge pipe through the levee authorized under Permit No. 10897, 1975 - Alfred Volpi. 14-inch pipe replaces existing 12-inch pipe). [Additional Reference(s): DWR Levee Log, 2006. USACE San Joaquin O&M Manual 1, March 1963, (HLM 1.63), 12-inch pipe referenced, 5.5 feet below the crown]. FS Date: 3/26/2013						

LM Start	1.64	Rating **	M	Issue No.	112 (cont)
LM End	1.64	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_40487_20063.jpg



LS- concrete standpipe on levee slope

Photo 3 of 3 : UCIP_FA_2019_40487_20065.jpg



WS- abandoned steel pipe capped with steel plate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.70	Rating **	C	Issue No.	29
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.927517 °	37.926632 °
				-121.325515 °	-121.324868 °
DWR ID	DWR_RD0404_01_s_2015_29				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Dense untrimmed trees are on the waterward slope. This is an Army Corp veg site. Tree and woody vegetation was planted by DWR but not being maintained according to the agreement.					

No Photos

LM Start	1.72	Rating **	A/W	Issue No.	23
LM End	1.79	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.927325 °	37.926341 °
				-121.325347 °	-121.324624 °
DWR ID	DWR_RD0404_01_f_2018_23				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					
Site is not being maintained and is overgrown.					

Photo 1 of 2 : FA_2019_RD0404_305_23_20190830_00009.jpg



Looking northwest at overgrown site on waterward slope. (Fall 2018)

LM Start	1.72	Rating **	A/W	Issue No.	23 (cont)
LM End	1.79	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : FA_2019_RD0404_305_23_20190830_00010.jpg



Looking southwest at overgrown site on waterward slope. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.81	Rating **	M	Issue No.	113	
LM End	1.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.926168 °	37.926168 °	
				-121.324514 °	-121.324514 °	
DWR ID	17961					
Comment Code						
Inspector Comment						
DS_ID:17961 FS_ID:40797 EP_NO: 6560 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damaged siphon breaker in pipe riser near the landward shoulder. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 7 feet below the crown. Chain-link fence around the pump and motor on the waterside (WS) slope. (Plans to install a 7-horsepower pump and motor, cyclone fence, and an 8-inch steel pipe through the levee authorized under Permit No. 6560, 1969 - City of Stockton, Department of Public Works). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/26/2013						

LM Start	1.81	Rating **	M	Issue No.	113 (cont)
LM End	1.81	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_40797_20073.jpg



WS- slanted pump, pipe, and concrete steps on levee slope.

Photo 2 of 3 : UCIP_FA_2019_40797_20072.jpg



WS- slanted pump, and pipe on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.81	Rating **	M	Issue No.	113 (cont)	
LM End	1.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.926168 °	37.926168 °	
				-121.324514 °	-121.324514 °	
DWR ID	17961					
Comment Code						
Inspector Comment						
DS_ID:17961 FS_ID:40797 EP_NO: 6560 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damaged siphon breaker in pipe riser near the landward shoulder. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 7 feet below the crown. Chain-link fence around the pump and motor on the waterside (WS) slope. (Plans to install a 7-horsepower pump and motor, cyclone fence, and an 8-inch steel pipe through the levee authorized under Permit No. 6560, 1969 - City of Stockton, Department of Public Works). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/26/2013						

Photo 3 of 3 : UCIP_FA_2019_40797_20071.jpg



LS- damaged and obstructed siphon breaker on levee shoulder.

LM Start	1.82	Rating **	M	Issue No.	30
LM End	1.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.926013 °	37.926013 °
				-121.324361 °	-121.324361 °
DWR ID	DWR_RD0404_01_f_2019_30				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.97	Rating **	U	Issue No.	28
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.924035 °	37.924035 °
				-121.323203 °	-121.323203 °
DWR ID	DWR_RD0404_01_f_2019_28				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0404_305_28_20191001_00054.jpg



View of multiple rodent holes on waterside slope. Fall 2019

LM Start	2.00	Rating **	U	Issue No.	33
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.923673 °	37.923673 °
				-121.323015 °	-121.323015 °
DWR ID	DWR_RD0404_01_s_2016_33				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed tree limbs and a dead tree on the waterside slope needs to be removed.					

Photo 1 of 1 : FA_2019_RD0404_305_33_20190830_00014.jpg



Looking west at dead tree on waterward slope.

LM Start	2.01	Rating **	C	Issue No.	16
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.923470 °	37.923470 °
				-121.322978 °	-121.322978 °
DWR ID	DWR_RD0404_01_f_2013_16				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is slope damage due to foot traffic.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	2.02	Rating **	M	Issue No.	27
LM End	2.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.923395°	37.923395°
				-121.322939°	-121.322939°
DWR ID	DWR_RD0404_01_f_2019_27				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

No Photos

LM Start	2.25	Rating **	C	Issue No.	31
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.921089°	37.921089°
				-121.319880°	-121.319880°
DWR ID	DWR_RD0404_01_s_2019_31				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed tree limb on landside slope has been removed.					

No Photos

LM Start	2.27	Rating **	M	Issue No.	22
LM End	2.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.920966°	37.920966°
				-121.319593°	-121.319593°
DWR ID	DWR_RD0404_01_f_2019_22				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	09/24/2019 09/24/2019	Alberto De Leon

LM Start	2.31	Rating **	M	Issue No.	21
LM End	2.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.920659°	37.920659°
				-121.318947°	-121.318947°
DWR ID	DWR_RD0404_01_f_2019_21				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 02 French Camp Slough			Right	1.75
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/23/2019 - 4/23/2019		9/24/2019 - 9/24/2019	
DWR Inspector	Alberto De Leon		Alberto De Leon	
Accompanied By	Richard Toy KSN		Richard Toy KSN	
	Richard Willoughby DWR			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Reclamation District No. 0404 Boggs

Reclamation District No. 0404 Boggs

Page 2 of 12

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.58	Rating **	C	Issue No.	24
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.919223 °	37.919223 °
				-121.309490 °	-121.309490 °
DWR ID	DWR_RD0404_02_s_2017_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.73	Rating **	M	Issue No.	25	
LM End	0.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.919336 °	37.919336 °	
				-121.306782 °	-121.306782 °	
DWR ID	18781					
Comment Code						
Inspector Comment						
DS_ID:18781 FS_ID:10908 EP_NO: 3340A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Not working for 5 years- Golf club staff- Wooden Walkway; Concrete steps- Damaged siphon breaker FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 2 feet below the crown. One corrugated metal cutoff wall. Pump on a pile structure in the stream. Shutoff valve and siphon breaker on the waterside (WS) shoulder. Timber walkway on the WS slope. (Plans for installation of three pumping plants on the north levee of French Camp Slough authorized under Permit No. 3340-A, 1960 - City of Stockton). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/27/2013						

Photo 1 of 3 : UCIP_FA_2019_10908_18182.jpg



WS- pump on steel structure and wooden walkway

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.73	Rating **	M	Issue No.	25 (cont)	
LM End	0.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.919336 °		37.919336 °
				-121.306782 °		-121.306782 °
DWR ID	18781					
Comment Code						
Inspector Comment						
DS_ID:18781 FS_ID:10908 EP_NO: 3340A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Not working for 5 years- Golf club staff- Wooden Walkway; Concrete steps- Damaged siphon breaker FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 2 feet below the crown. One corrugated metal cutoff wall. Pump on a pile structure in the stream. Shutoff valve and siphon breaker on the waterside (WS) shoulder. Timber walkway on the WS slope. (Plans for installation of three pumping plants on the north levee of French Camp Slough authorized under Permit No. 3340-A, 1960 - City of Stockton). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/27/2013						

Photo 2 of 3 : UCIP_FA_2019_10908_18181.jpg



WS- damaged, obstructed and buried siphon breaker

LM Start	0.73	Rating **	M	Issue No.	25 (cont)
LM End	0.73	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_10908_18180.jpg



LS- overview of LS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.74	Rating **	M	Issue No.	26	
LM End	0.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.919308 °		37.919308 °
				-121.306714 °		-121.306714 °
DWR ID	18782					
Comment Code						
Inspector Comment						
DS_ID:18782 FS_ID:10945 EP_NO: 4448 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete stairway on waterward slope- Not found. Pump was working during field survey. Siphon breaker cap missing. FIELD_STRUCT_DESC: 18-inch steel drainage discharge pipe through the levee, 9.3 feet below the crown. Pump on the landside (LS). Two corrugated metal cutoff walls. Siphon breaker in a concrete well on the waterside (WS) shoulder. (Plans for installation of a discharge pipe through the levee authorized under Permit No. 4448, 1964 - City of Stockton, Department of Public Works). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/27/2013						

LM Start	0.74	Rating **	M	Issue No.	26 (cont)
LM End	0.74	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_10945_18248.jpg



WS- siphon breaker without cap in concrete riser

Photo 2 of 3 : UCIP_FA_2019_10945_18247.jpg



WS- concrete riser on steep levee slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	09/24/2019 09/24/2019	Alberto De Leon

LM Start	0.74	Rating **	M	Issue No.	26 (cont)	
LM End	0.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.919308 °	37.919308 °	
				-121.306714 °	-121.306714 °	
DWR ID	18782					
Comment Code						
Inspector Comment						
DS_ID:18782 FS_ID:10945 EP_NO: 4448 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete stairway on waterward slope- Not found. Pump was working during field survey. Siphon breaker cap missing. FIELD_STRUCT_DESC: 18-inch steel drainage discharge pipe through the levee, 9.3 feet below the crown. Pump on the landside (LS). Two corrugated metal cutoff walls. Siphon breaker in a concrete well on the waterside (WS) shoulder. (Plans for installation of a discharge pipe through the levee authorized under Permit No. 4448, 1964 - City of Stockton, Department of Public Works). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/27/2013						

Photo 3 of 3 : UCIP_FA_2019_10945_18250.jpg



LS- overview of pumping plant and levee slope

LM Start	1.53	Rating **	A	Issue No.	7
LM End	1.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.918493 °	37.918493 °
				-121.295557 °	-121.295557 °
DWR ID	DWR_RD0404_02_f_2019_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation on waterside slope is well maintained.					

Photo 1 of 1 : FA_2019_RD0404_306_7_20191001_00027.jpg



Typical view of well maintained vegetation on waterside slope. Fall 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.55	Rating **	M	Issue No.	27	
LM End	1.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.918411 °		37.918411 °
				-121.295128 °		-121.295128 °
DWR ID	18792					
Comment Code						
Inspector Comment						
DS_ID:18792 FS_ID:51171 EP_NO: 3340 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/29/2016 Pipe was not found. As per DWR Inspector Richard Willoughby, pipe was removed by City without a permit. Erosion cited previously has been backfilled. Backfill material on WS is redder in color than original material, indicating a recent backfill. Crossing has been downgraded from Urgent to Non-Urgent since no permit issued for this work. (K. Fazel - UCIP)03/27/2013 Abandoned and capped 3-in GI pipe found on WS. Damaged air-valve/siphon breaker found on LS.Gully formed due to leaky pipe. A pump house found on LS but it needs to be verified by LMA whether this is associated with this crossing. (P. Amatya - DWR) FIELD_STRUCT_DESC: *REMOVED* 3-inch galvanized iron irrigation discharge pipe through the levee, 1 foot below the crown. Pile structure in the stream. Damaged siphon breaker at the landside (LS) toe. (Plans for installation of three pumping plants on the north levee of French Camp Slough authorized under Permit No. 3340-A, 1960 - City of Stockton). FS Date: 11/29/2016						

LM Start	1.55	Rating **	M	Issue No.	27 (cont)
LM End	1.55	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_51171_18134.jpg



WS- capped 3-inch GI pipe

Photo 2 of 3 : UCIP_FA_2019_51171_18133.jpg



WS- soil erosion and gully formation due to leaky pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.55	Rating **	M	Issue No.	27 (cont)	
LM End	1.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.918411 °	37.918411 °	
				-121.295128 °	-121.295128 °	
DWR ID	18792					
Comment Code						
Inspector Comment						
DS_ID:18792 FS_ID:51171 EP_NO: 3340 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/29/2016 Pipe was not found. As per DWR Inspector Richard Willoughby, pipe was removed by City without a permit. Erosion cited previously has been backfilled. Backfill material on WS is redder in color than original material, indicating a recent backfill. Crossing has been downgraded from Urgent to Non-Urgent since no permit issued for this work. (K. Fazel - UCIP)03/27/2013 Abandoned and capped 3-in GI pipe found on WS. Damaged air-valve/siphon breaker found on LS.Gully formed due to leaky pipe. A pump house found on LS but it needs to be verified by LMA whether this is associated with this crossing. (P. Amatya - DWR) FIELD_STRUCT_DESC: *REMOVED* 3-inch galvanized iron irrigation discharge pipe through the levee, 1 foot below the crown. Pile structure in the stream. Damaged siphon breaker at the landside (LS) toe. (Plans for installation of three pumping plants on the north levee of French Camp Slough authorized under Permit No. 3340-A, 1960 - City of Stockton). FS Date: 11/29/2016						

Photo 3 of 3 : UCIP_FA_2019_51171_18132.jpg



WS- abandoned pump station.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.75	Rating **	M	Issue No.	28	
LM End	1.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.917324 °	37.917324 °	
				-121.291882 °	-121.291882 °	
DWR ID	18793					
Comment Code						
Inspector Comment						
DS_ID:18793						
FS_ID:41904						
EP_NO: 6623						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: Need to contact owner to determine status of crossing and install markers if appropriate to do so.						
FIELD_STRUCT_DESC: 5-inch steel natural gas pipeline through the levee and across the channel, 6.4 feet below the crown. One corrugated metal cutoff wall. Waterside (WS) slope rock revetted. Vent pipe at the WS shoulder. (Plans to install a 5-inch steel natural gas pipeline across Walker Slough and across French Camp Slough authorized under Permit No. 6623, 1969 - Laymac Corporation). [Additional Reference(s): DWR Levee Log, 2006].						
FS Date: 3/27/2013						

No Photos

LM Start	1.76	Rating **	M	Issue No.	29
LM End	1.76	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.917284 °	37.917284 °
				-121.291740 °	-121.291740 °
DWR ID	18804				
Comment Code					
Inspector Comment					
DS_ID:18804 FS_ID:10846 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS.Needs a sign post.Bob Winter from KSN(representative of RD 404) will investigate on this crossing. FIELD_STRUCT_DESC: 1 of 2: 42-inch reinforced concrete sewer line through the levee, 8 feet below the crown. Pipe crosses another 42-inch sewer line under the channel. [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/27/2013					

Photo 1 of 3 : UCIP_FA_2019_10846_18127.jpg



LS- 7' x 14' concrete vault.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.76	Rating **	M	Issue No.	29 (cont)
LM End	1.76	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.917284 °	37.917284 °
				-121.291740 °	-121.291740 °
DWR ID	18804				
Comment Code					
Inspector Comment					
DS_ID:18804 FS_ID:10846 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS.Needs a sign post.Bob Winter from KSN(representative of RD 404) will investigate on this crossing. FIELD_STRUCT_DESC: 1 of 2: 42-inch reinforced concrete sewer line through the levee, 8 feet below the crown. Pipe crosses another 42-inch sewer line under the channel. [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/27/2013					

LM Start	1.76	Rating **	M	Issue No.	29 (cont)
LM End	1.76	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_10846_18126.jpg



Crown view of the levee.

Photo 3 of 3 : UCIP_FA_2019_10846_18128.jpg



WS- no pipes found.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.76	Rating **	M	Issue No.	30
LM End	1.76	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.917284 °	37.917284 °
				-121.291740 °	-121.291740 °
DWR ID	18787				
Comment Code					
Inspector Comment					
DS_ID:18787 FS_ID:12426 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS.Needs a sign post.Bob Winter from KSN(representative of RD 404) will investigate on this crossing. FIELD_STRUCT_DESC: 2 of 2: 42-inch reinforced concrete sewer line through the levee, 8 feet below the crown. Pipe crosses another 42-inch sewer line under the channel. [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/27/2013					

LM Start	1.76	Rating **	M	Issue No.	30 (cont)
LM End	1.76	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_12426_20130.jpg



LS- 7' x 14' concrete vault.

Photo 2 of 3 : UCIP_FA_2019_12426_20129.jpg



Crown view of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	09/24/2019 09/24/2019	Alberto De Leon

LM Start	1.76	Rating **	M	Issue No.	30 (cont)	
LM End	1.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.917284 °	37.917284 °	
				-121.291740 °	-121.291740 °	
DWR ID	18787					
Comment Code						
Inspector Comment						
DS_ID:18787						
FS_ID:12426						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS.Needs a sign post.Bob Winter from KSN(representative of RD 404) will investigate on this crossing.						
FIELD_STRUCT_DESC: 2 of 2: 42-inch reinforced concrete sewer line through the levee, 8 feet below the crown. Pipe crosses another 42-inch sewer line under the channel. [Additional Reference(s): DWR Levee Log, 2006].						
FS Date: 3/27/2013						

Photo 3 of 3 : UCIP_FA_2019_12426_20131.jpg



WS- no pipes found.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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